

wick Safety Brief



RADM A.J. "Blackjack" Johnson

Commander Naval Safety Center





Agenda



- Goals
- Aviation Mishaps Overview
- PMV / Off-Duty Mishaps
- Fatigue
- Risk Management
- Tools for Success
- Q & A

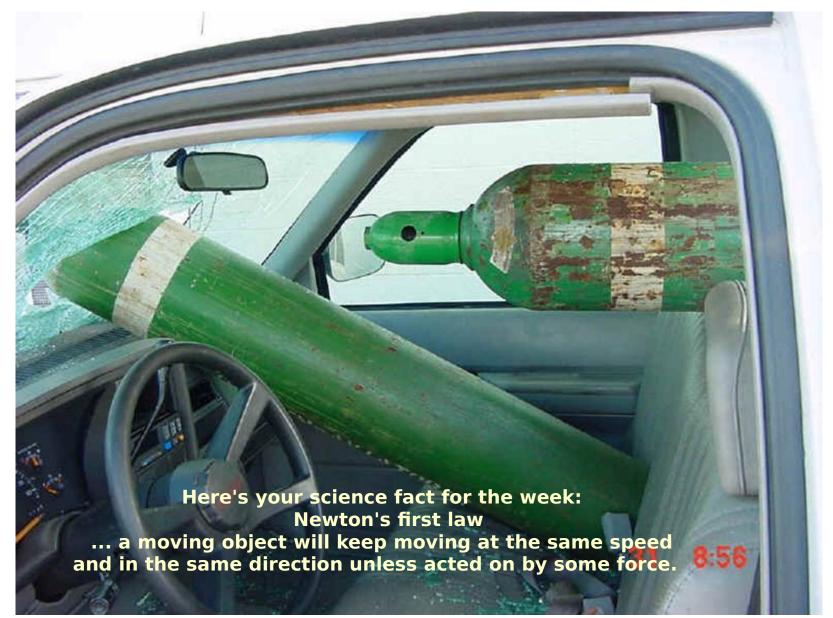


What's wrong with this picture?





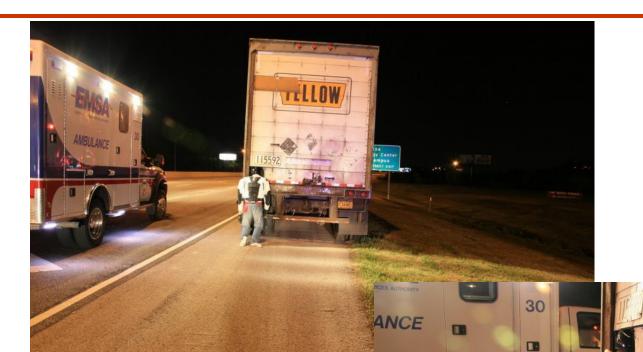












Fatal motorcycle accident

April 2007, 1:00 am

In excess of 100

mph





SECDEF Challenge





THE SECRETARY OF DEFENSE 1000 DEFENSE PENTAGON WASHINGTON, DC 20301-1000

MAY 3 0 2007

MEMORANDUM FOR SECRETARIES OF THE MILITARY DEPARTMENTS
CHAIRMAN OF THE JOINT CHIEFS OF STAFF
UNDER SECRETARIES OF DEFENSE
ASSISTANT SECRETARIES OF DEFENSE
GENERAL COUNSEL OF THE DEPARTMENT OF DEFENSE
DIRECTOR, OPERATIONAL TEST AND EVALUATION
INSPECTOR GENERAL OF THE DEPARTMENT OF DEFENSE
ASSISTANTS TO THE SECRETARY OF DEFENSE

ASSISTANTS TO THE SECRETARY OF DEFENSE DIRECTOR, ADMINISTRATION AND MANAGEMENT DIRECTOR, PROGRAM ANALYSIS AND EVALUATION DIRECTOR, NET ASSESSMENT DIRECTORS OF THE DEFENSE AGENCIES DIRECTORS OF THE DOD FIELD ACTIVITIES

SUBJECT: Zero Preventable Accidents

I am committed to reducing preventable accidents as one of the cornerstones of the Department of Defense's Safety Program. Consistent with the President's Safety, Health, and Return-To-Employment (SHARE) initiative, I have set some very specific mishap reduction goals for the Department. We are focused on closely monitoring our most pressing mishap areas: civilian and military injuries, aviation accidents, and the number one noncombat killer of our military, private motor vehicle accidents.

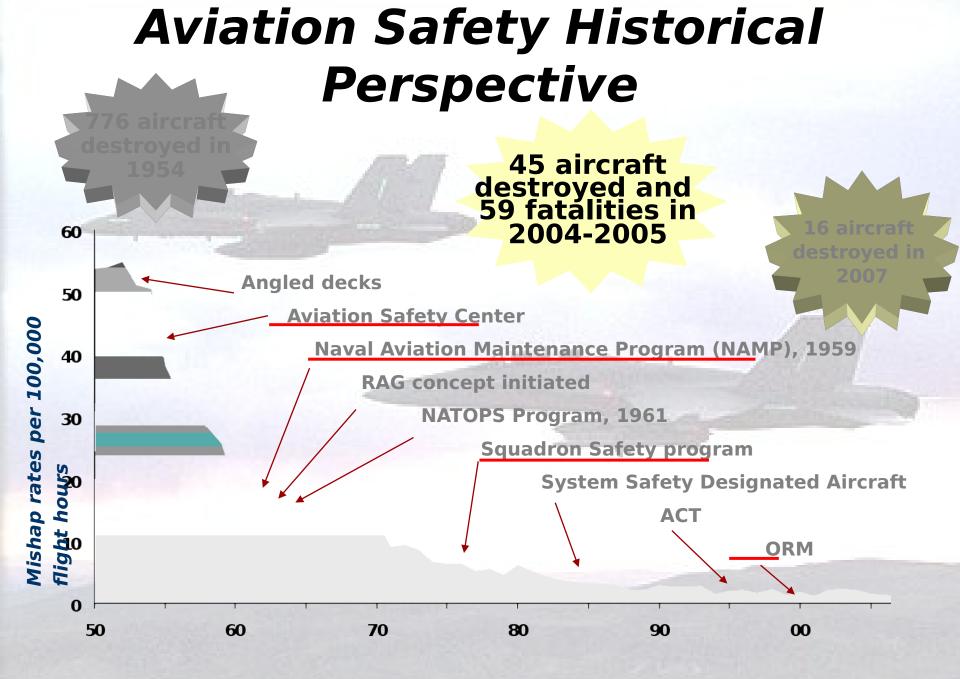
We can no longer tolerate the injuries, costs, and capability losses from preventable accidents. Accidents cost the Department about \$3 billion per year, with indirect costs up to four times that amount. We have made progress in reducing avaiation accidents and civilian lost work days, but have much more to do to address military injuries and private motor vehicle fatalities. Our goal is zero preventable accidents, and I remain fully committed to achieving the 75% accident reduction target in 2008.

The current focus of our Safety Council is on increasing the accountability of individuals and leaders, as well as pursuing safety technologies. Accountability and leadership are key to an effective safety program. I urge you to continue to emphasize safety in the workplace and hold leaders accountable for their safety programs. Your efforts will make the Department a safer place to work, and more capable of defending the Nation and her interests. We have no greater responsibility than to take care of those who volunteer to

"... Our **goal is zero** preventable accidents and I remain fully committed to achieving the 75% accident reduction target in 2008.

... The current focus of our Safety Council is on increasing the **accountability** of individuals and leaders, as well as pursuing safety technologies.

... We have no greater responsibility than to take care of those who volunteer to serve."



NSC Data: 24 Jun 0

Magnitude of Accidents



In FY07, Navy and Marine Corps Operational Mishaps Resulted In:

NAVY

- 1 Navy death every 77 hours (3.2 days)
- 1 POV death every 112 hours (4.7days)
- 1 Aviation death every 36 days
- 1 aircraft destroyed every 45 days
- \$940K a day in aviation losses

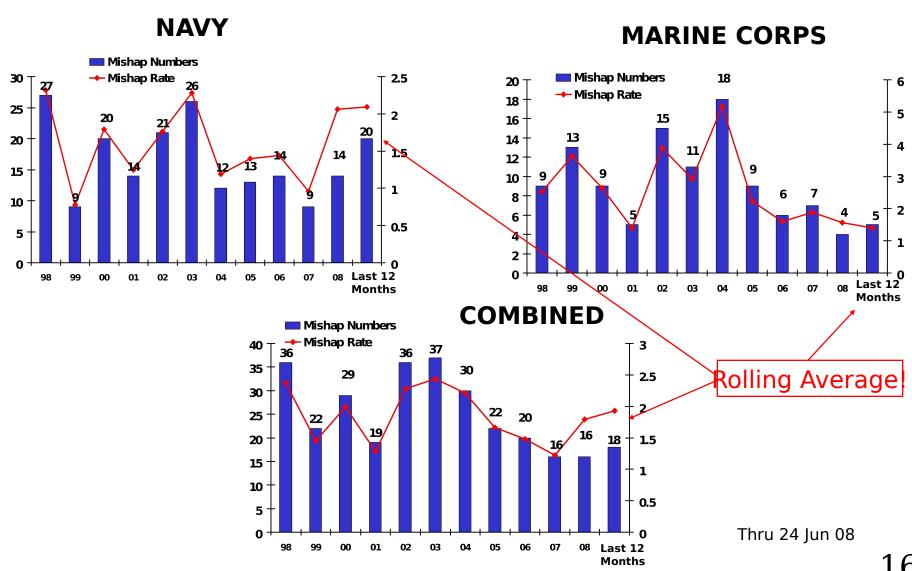
MARINE CORPS

- 1 Marine death every 69 hours (2.9 days)
- 1 POV death every 132 hours (5.5 days)
- 1 Aviation death every 33 days
- 1 Aircraft destroyed every 45 days
- \$463K a day in aviation losses

Naval Aviation Class A FM



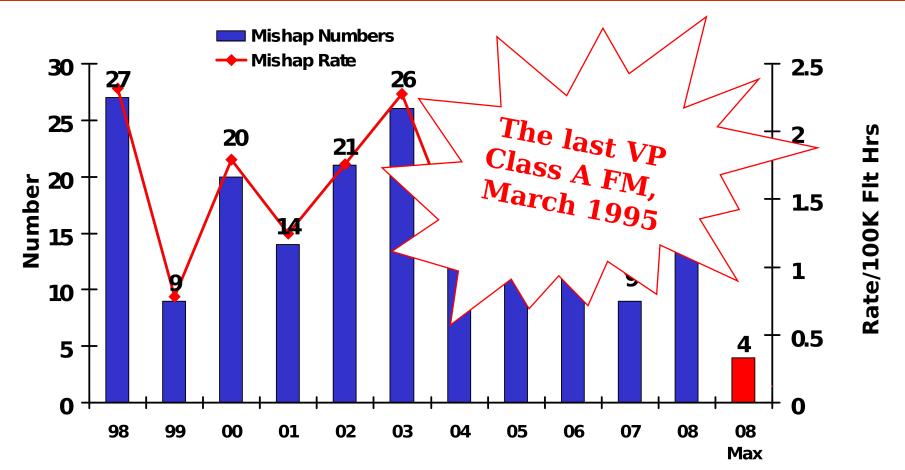
Last 12 Months



CLASS A FLIGHT MISHAPS



Last 10 FY - USN



24 Jun 08

24 Jun 07

CLASS A MISHAPS/MISHAP RATE FY COMPARISON: 0.45

14 / 2.06

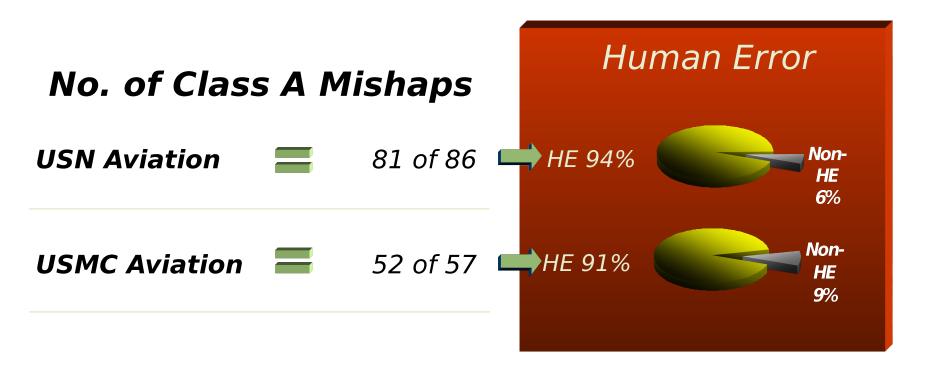
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FY07 MISHAPS/MISHAP RATE:

9 / 0.95

"Causal Factor: Human Error

USN/USMC, FY03-07





"Causal Factor: Human Error

TRENDS

Mishap Investigations

- Human error (aircrew):Leading causal factors
 - Skill-based errors
 - Decision errors
 Leading preconditions for errors
 - CRM failures
 - Adverse mental states
- Inexperience
- Training issues

TAKEAWAYS

- Adherence to basic rules, regulations and NATOPS procedures
- Proper pre- flight planning
- Training
- Proficiency
- Institutionalize ORM & CRM
- Enforce standards
- Increase checks and

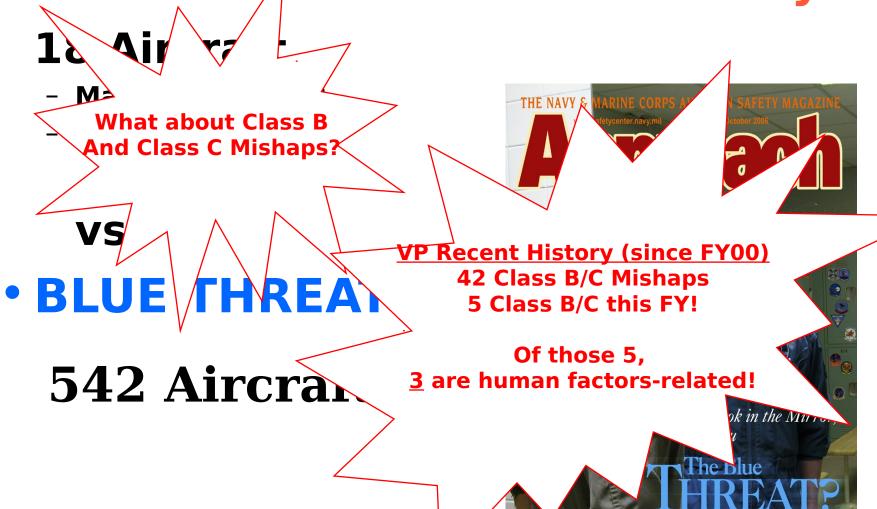


Red vs. Blue Threat

SST 1951

(FY 91- present)



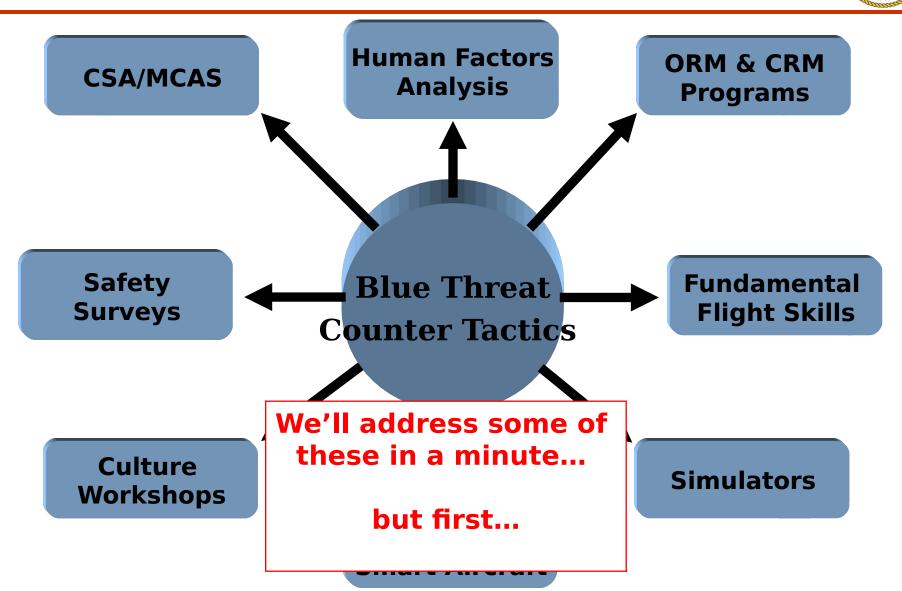


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Human Causal Factors this FY

- FOD ingested during ground maintenai
- B2-stand towed into aircraft
- Aircraft struck vehicle during taxi

Blue Threat Mitigation Strategies

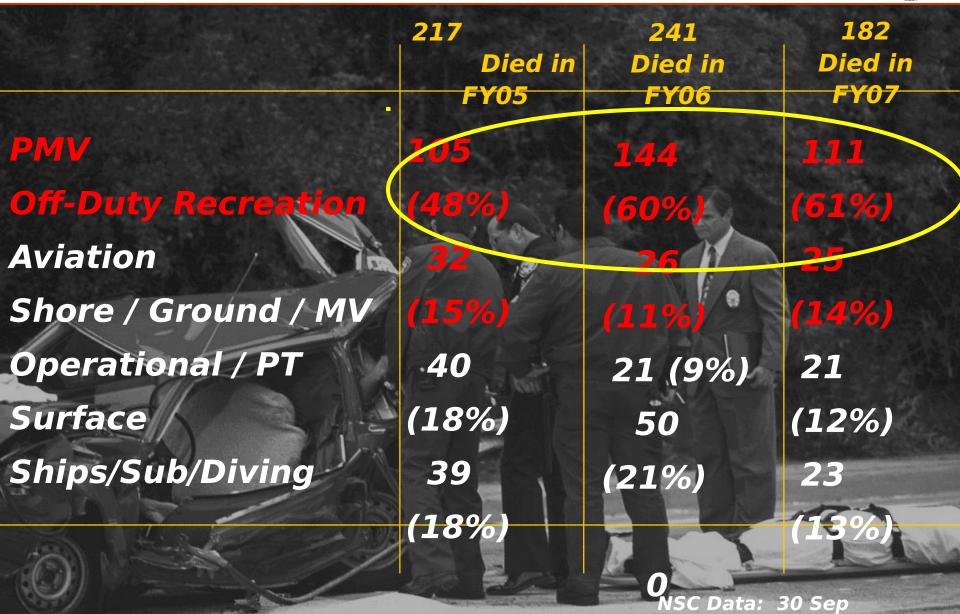




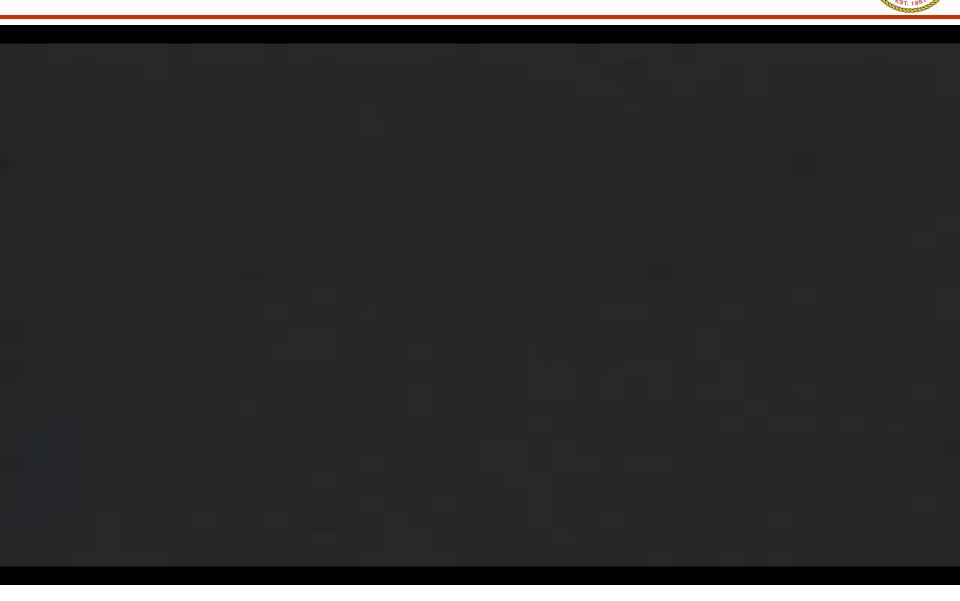
What is the top killer of our sailors?

How Did Our Sailors and Marines Die?



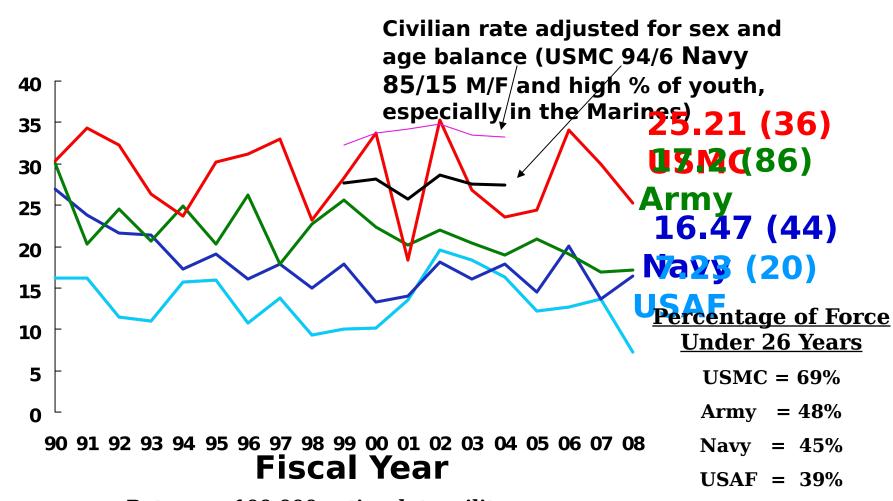


Nhy Everyone Should Wear A Seatbell



Armed Forces Traffic Death Rates

(FY90-08)



Rates per 100,000 active duty military personnel per year.

Through 23 Jun 082 1

Factors In Traffic Deaths



(USN/USMC, FY02-06)

Fatigue is considered a major factor in traffic deaths, but is <u>under-reported</u> throughout the fleet.

FY02-06 Deaths: 627 (USN -350) / (USMC -277)

FY02: 140 (USN - 75) / (USMC - 65)

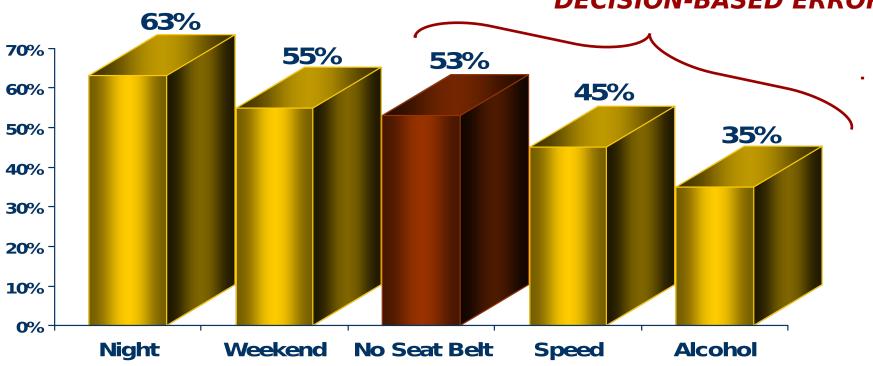
FY03: 119 (USN - 66) / (USMC - 53)

FY04: 119 (USN - 73) / (USMC - 46)

FY05: 105 (USN - 58) / (USMC - 47)

FY06: 144 (USN - 78) / (USMC - 66)

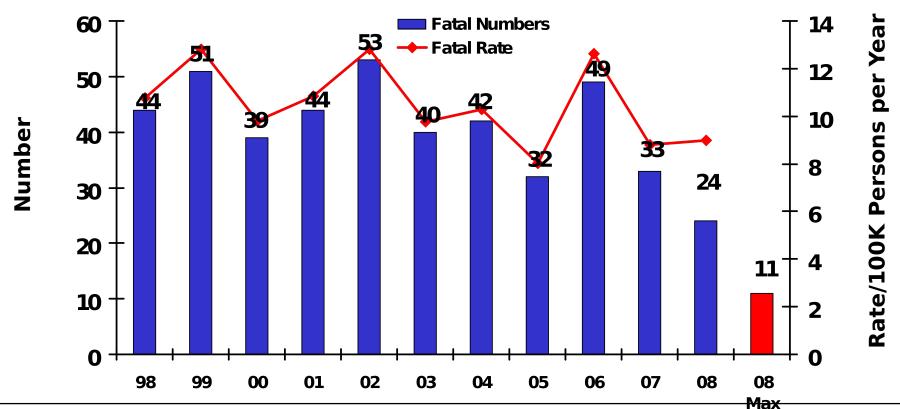
DECISION-BASED ERRORS



4-Wheel PMV Fatalities



USN ONLY



24 Jun 08 24

Jun 07

CLASS A FATALITIES FATALITY DATE BY COM

CLASS A FATALITIES/FATALITY RATE FY COMPARISON: 24 / 8.98 23 / 8.36

FY07 FATALITIES/FATALITY RATE: 33 / 8.80

10 VEAD AVEDAGE (EVOS 07) EATALITIES (EATALITY DATE: 42 7 / 10 67

Are these Sailors in your





Motorcycle Types





Sport Touring 1100-1800cc 450-650lb, High performance



Dirt Bike 50-650cc High ground clearance, not road ready



Standard 650-1800cc, 700-1200lb, High power



Super Sport 650-1100cc 290-350lb, High performance



Intro Bike 125-500cc, 200-500lb



Sport Unclad 650-1100cc 290-350lb, High performance

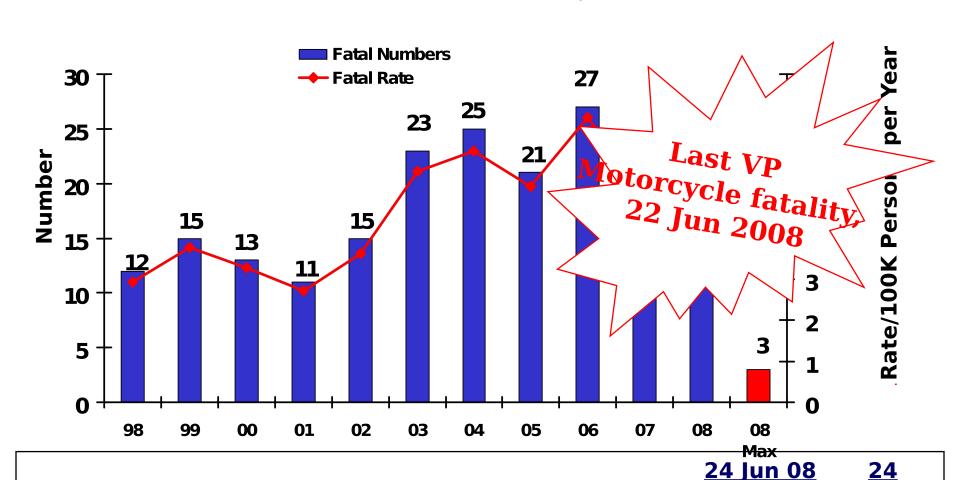


Scooters 50-650cc

Motorcycle Fatalities



USN ONLY



Jun 07
CLASS A FATALITIES/FATALITY RATE FY COMPARISON: 18 / 6.74 17 / 6.18
FY07

FATALITIES/FATALITY RATE: 19 / 5.07

10.VEAD AVEDAGE (EVOS.07) EATALITIES/EATALITY DATE: 19 1 / 4 52

Motorcycle Safety





Fleet Best Practices - PMV



- 1. Understand who your risk takers are and help them manage risk; engaged mentorship
- 2. Recognize that becoming a safe driver is part of a young person's maturing process and is not complete until age 25
- 3. Use the Traffic Safety Toolbox on the Safety Center Website to help reduce mishaps
- 4. Engage in partnerships with local community. (Click It or Ticket, You Drink, You Drive, You Lose, MADD)
- 5. Solicit family members to help keep loved ones safe with letters home

How does ORM effect off duty fun

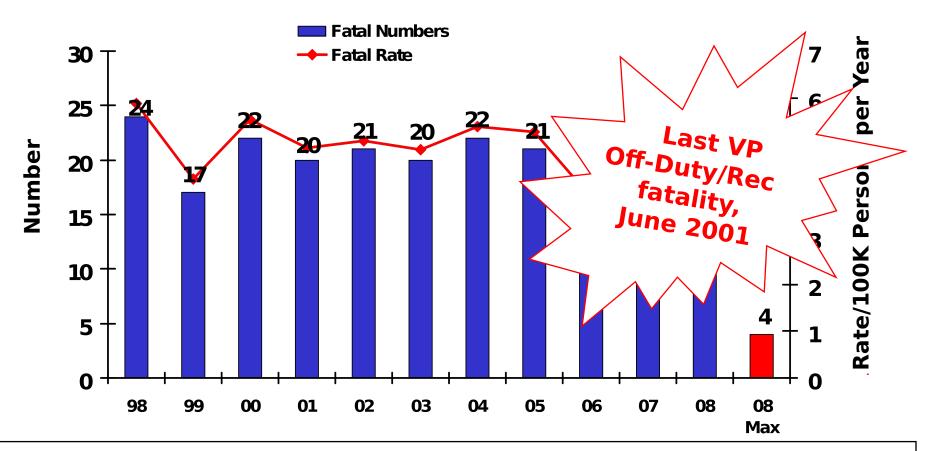




Off-Duty/Rec Fatalities



USN ONLY



<u>24 Jun 08</u> <u>24</u>

<u>Jun 07</u>

CLASS A FATALITIES/FATALITY RATE FY COMPARISON: 16 / 5.99 6 /

2.18 FY07 FATALITIES/FATALITY

RATE: 10 / 2.67

10 VEAD AVEDACE (EVOO 07) EATALITIES (EATALITY DATE: 10.2 / 4.90

Best Fleet Practices - Off-Duty Re

- 1. Ensure all supervisors are engaged in Risk Management and Recreation, Athletics and Home Safety programs.
- RAHS Program Managers Ensure command personnel attend seasonal hazard awareness training.
- 3. Employ the risk management process during all on and off-duty activities.
- 4. Use Individual Off-Duty Risk Assessment Form to assess behavior factors and indicators related to off-duty recreation mishaps.
- 5. Make use of qualification training and skills test provided by MWR prior to using their facilities and

Fatigue





G +0.0 SG +0.0 Time -10.00
Rear View

consumptionjunction.com FG



DRM: Risk Management <u>Not</u> Risk Avoidan



- Easy, common-sense process
- Mind-set
- Way of life On and Off Duty
- Operating discipline
- Process must be taught
- Must institutionalize ORM it's

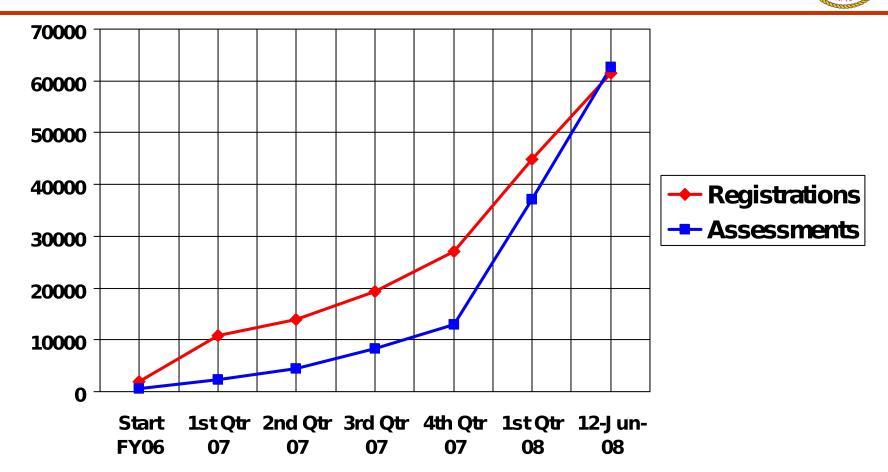
not today

YOU CAN'T "ORM" SOMETHING THAT'S STUPID, TO SOMETHING THAT'S SMART!!!

Travel Risk Planning System (TRiP

- Delivered to the Naval Safety Center for Fleet use in 2006; based on ASMIS-2 Army Safety Management Information System
- A click away on <u>http://www.safetycenter.navy.mil</u>
- Provides ORM trip assessment and actual mishap cases relevant to planned trip.
 Risk values/models based on NTSB data
- Trip map, times, distances and other products improve supervisor interaction; CBT course content designed to help change behavior

Travel Risk Planning System



TRiPS usage increasing.

Recommendations to Improve Safety

1. Naval Safety Center Website - Tools Are There!

- Traffic Safety Toolbox
- Web-Enabled Safety System (WESS) Online mishap reporting / database
- Leave and Liberty Risk Assessments

2. Establish a SOLID Welcome Aboard, Sponsorship/ Mentorship Program.

- First impressions are lasting ones
- On and Off duty activities must be addressed

3. Identify "High-Risk" personnel within your command.

- Engage leadership with subordinate personnel
- Provide awareness training on the popular high-risk activities participated by your crew and mentor high-risk personnel
- Identify motorcyclist, confirm required training is complete; add additional training requirements where appropriate

Recommendations to Improve Safety

4. Be Proactive and Involved.

- Schedule a Culture Workshop / Safety Survey
- Distribute "Safe Ride" taxi cards
- Conduct safety stand-downs when needed and pre-holiday
- Require TRiPS and leave chit risk assessments prior to authorizing leave

5. Maintain high-visibility within command.

- Enforce Established Standards- defined command safety policy
- Treat every mishap the same (PMV/Off-Duty Fatality hurts command as much as an Operational Fatality)
- Correct safety deficiencies immediately
- Hold yourself and your personnel ACCOUNTABLE

6. Expect what you INSPECT.

- Verify command policies are understood and followed
- Demonstrate daily commitment to safety. If it's visibly important to you it will be to your crew.

HAZREP Culture: Where We Want to Be



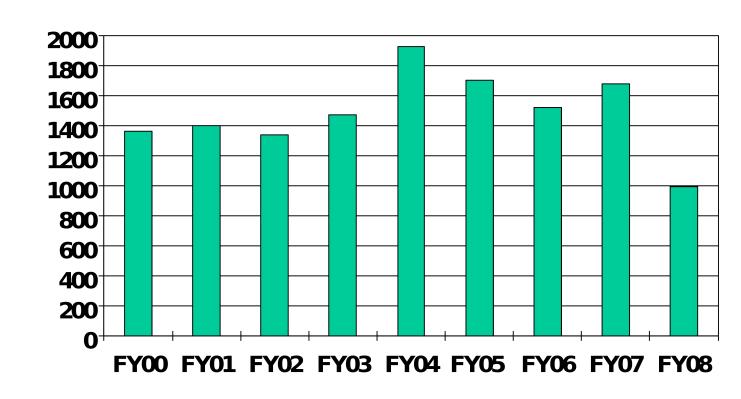
- Establish an open environment for reporting

 - Training to encourage fleet support during surveys
 - Potential "Safety Hotline" for anonymous reporting
- Encourage and reward reporting of hazards, near-misses, and lessons learned 1650.28A recognizes
 - Improve/revise incentives HAZREP submissions for Safety "S"
- Identify leading indicators, maximize awareness, and prevent similar mishaps in the future
 - Create measures of effectiveness to grade environment for hazard reporting
 - Database capabilities

Aviation Hazard Reports







12 Jun

FISCAL YEAR

VP Safety Reporting



222 HAZREPS released to the fleet in FY07

(13% of all USN/USMC reporting came from 25 VP UIC's)

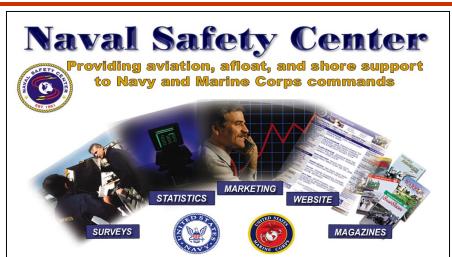
- 131 released this FY (through Jun 12, 08)
- On track to exceed prev FY
- Model community for safety info sharing

Diligent Ground Mishap reporting

LWD Average above the fleet average due to responsible reporting, indicates a conscientious safety establishment that <u>reports</u> vice remaining silent.

What We Do for the Fleet





NSC at your service... for free!

Let our experience, expertise and unrivaled commitment to safety work for you.

Mishap Investigations
Surveys
Assist Visits
Data Analysis
Workshops
Publications
Website
Presentations

Call 757-444-3520 (DSN 564) or visit our website: www.safetycenter.navy.mil

ON THE ROAD

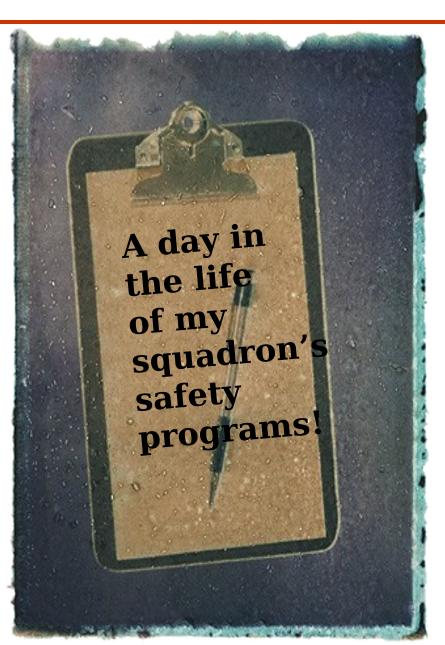
- Safety surveys
- ORM unit training
- Mishap investigations
- PCO briefings
- Safety Seminar/Safety Symposium
- NAVOSHENVTRACEN Safety & Occupational Health Training

AWARENESS

- Fleet Analysis
- Magazines printed/distributed (473,000 copies)
- Interactive CD's
- Acquisition process in-roads
- Safety advisories
- Customer information requests
 (3,600+ database queries per month)
- Safety Center web page

What's a Safety Survey?





- One-day assessment provided by the Safety Center
- Survey teams improve your crews awareness in mishap prevention and safety deficiencies
- One-on-One hands on training with your crew.
- Static Appraisal

NSC Website:

Your Valuable Resource

www.safetycenter. navy.mil





Afloat | Ashore | Aviation | Media | OSH | Services | Training | Popular

Resources

- Executive Summary
- Safety Toolbox
- 75% Mishap Reduction
- Presentations
- Traffic Safety Toolbox
- TRAC(traffic risk mgmt.)
- Success Stories
- Statistics
- Newsroom/Press Kit
- POD Notes, Slogans

Quick Links

- Photo of the Week
- Friday Funnies
- Safety School
- Acquisition Safety
- Safety Surveys
- Culture Workshops
- FOIA
- Secure Site (PKI)

Staff

- Biographies
- Directory
- Mission
- Contact us
- Make us your home page

Last Updated: August 9, 2006



Traffic Death Update

On August 8, an E-3 from USS Dwight D. Eisenhower was killed in a car wreck near Mt. Vernon, Ky. An E-3 shipmate was injured.

PMV Stats | PMV Narratives

Navy and Marine Corps PMV Deaths FY06 to date: 117

In the Spotlight

What's New | More Articles

- NSC Website Breach of Information Frequently Asked Questions
- · NHTSA Offers Tips for Safe Summer Trips
- How Not to Transport Gasoline

- . Doing It Right Vs. Doing It Right Now
- · Car Show and Traffic Safety Go Together
- Traffic5100

Initiatives and Tools

















This is an official U.S. Navy Web site.

Navy

Naval Safety Center, 375 A St. Norfolk, VA 23511 Contact the Webmaster or





Our Magazines Reach Every Community "Tell Your Story"





Focus on time-critical ORM

- Includes basic and advanced concepts
- Real-life scenarios and analysis
- Success stories, lessons learned from fleet units

references and links

On the >

SEA&SHORE (2004) 30,442 copies SAFE-

- Detailed user s guide navy.mil
- Includes FAQs, guidance for common problems
- Flow chart of complete reporting and QA process
- Covers both 3750 and 5102 topics, incl. aviation, motor vehicles, explosives, diving, OSH and parachute
- Distribution of 3K copies to 1,560 7

Data Collection / Dissemination



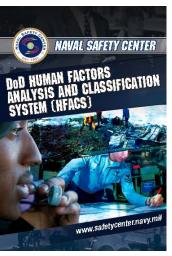
- An integrated system to <u>web enable</u> the data collection and information dissemination safety business processes for Navy & Marine Corps.
- Allow data transfer with DOD, other Services & other systems with a stake in safety
- Allow safety customers direct access, on-line, to safety data to target mishap prevention.

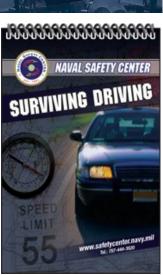
DATA FUSION BENEFITS THE FLEET!

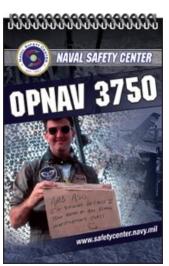
QuickSeries Guides

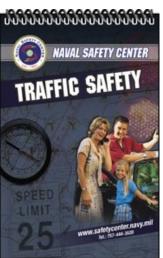


- Resource-intensive flip books
- Data, guidance, tools, reference material
- Well-received by fleet
- Sent on request
- Motorcycle rider guide in work









Where We Are Today





OUR ENDSTATE GOAL IS

ZERO!

NSC Data: 24 June 08

Our Goal...





Questions?



